

Tisoplen® PPC UNR FR

Polypropylene Copolymer

Tisan

Message:

Tisoplen® PPC UNR FR is a Polypropylene Copolymer (PP Copolymer) material. It is available in Africa & Middle East or Europe for injection molding. Important attributes of Tisoplen® PPC UNR FR are:

- Flame Rated
- Flame Retardant
- Copolymer
- Heat Stabilizer

General Information			
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Copolymer		
	Flame Retardant		
	Heat Stabilized		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Molding Shrinkage	1.7	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	68		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	25.0	MPa	
Break	26.0	MPa	
Tensile Strain			ISO 527-2
Yield	39	%	
Break	40	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	17	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	120	°C	ISO 75-2/Be
Vicat Softening Temperature	150	°C	ISO 306/B120

Melting Temperature	165	°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (3.00 mm)	350	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Flammability Index (3.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Rear Temperature	190 to 210	°C	
Middle Temperature	190 to 210	°C	
Front Temperature	190 to 210	°C	
Nozzle Temperature	200	°C	
Processing (Melt) Temp	170 to 190	°C	
Mold Temperature	45.0	°C	

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Recommended distributors for this material

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